

Malaria Diagnostic Pipeline (1 of 4)

		Parasite(s) Detected	Preclinical	Clinical	Market
1	Advantage Malaria Pan + Pf card J Mitra & Co Pvt Ltd	Pan malaria; P. falciparum			■
2	Advantage Pan Malaria Card J Mitra & Co Pvt Ltd	Pan malaria			■
3	BinaxNOW Malaria Alere	Pan malaria; P. falciparum			■
4	BIOCREDIT Malaria pf (HRP II) RapiGen, Inc	Pan malaria; P. falciparum; P. vivax			■
5	Bionote Malaria Pf and Pv Ag Rapid Test Kit Bionote, Inc	P. falciparum; p. vivax			■
6	Blood transfer device Foundation for Innovative New Diagnostics (FIND)				■
7	CAPTIVA Malaria EIA Trinity Biotech	Pan malaria			■
8	CareStart Malaria HRP2/pLDH Pf test Access Bio, Inc	Pan malaria; p. falciparum			■
9	Core Malaria Pan Pf Core Diagnostics Ltd	p. falciparum			■
10	Core Malaria Pf Core Diagnostics Ltd	p. falciparum			■
11	Core Malaria Pv/Pf Core Diagnostics Ltd	P. falciparum; P. vivax			■
12	Diagnostic Malaria (Pan/Pf Cassette) KEE GAD Biogen	Pan malaria; P. falciparum			■
13	FalciVax - Rapid test for malaria Pv/Pf Zephyr Biomedicals	P. falciparum; P. vivax			■
14	Fio Smartreader, Portal, Database, and Cloud Information Services Fio Corporation	Pan malaria			■
15	FISH technology ID-FISH Technology, Inc	Pan malaria; P. falciparum; P. vivax			■
16	Giemsa microscopy (Technique) Any high quality manufacturer of a light microscope for laboratory use				■
17	Giemsa stain (Technique) Hardy Diagnostics				■
18	Holomic Rapid Diagnostic Reader (HRDR-200) Holomic LLC				■
19	Humasis Malaria Pf/Pv Antigen test Humasis	Pan malaria; P. falciparum			■
20	Immunoquick Malaria Falciparum Biosynex	P. falciparum			■
21	Kestrel-realtime Plasmodium Kestrel	Pan malaria; P. falciparum; P. vivax; P. ovale; P. malariae; P. knowlesi			■

**Malaria
Diagnostic Pipeline (2 of 4)**

		Parasite(s) Detected	Preclinical	Clinical	Market
22	LAMP Malaria Diagnostic Kit Foundation for Innovative New Diagnostics (FIND); Eiken Chemical	Pan malaria; P. falciparum			■
23	Lifelens University of California, Davis	Pan malaria			■
24	Malaria Rapid (Pan/Pf) test Reszon Diagnostics International	Pan malaria; P. falciparum			■
25	NanoSign Malaria pf/pan Ag 3.0 BioLand Ltd	Pan malaria; P. falciparum; P. vivax			■
26	One Step Malaria Pf/Pv Test Blue Cross Bio-Medical (Beijing) Co Ltd	P. falciparum; P. vivax			■
27	One Step Rapid Tests NTBio Diagnostics, Inc	Pan malaria; P. falciparum; P. vivax			■
28	Onsite Pf/Pv Ag Rapid Test CTK Biotech, Inc	Pan malaria; P. falciparum; P. vivax			■
29	OptiMAL-IT Biorad	Pan malaria; P. falciparum			■
30	ParaCheck PF rapid test of P. falciparum malaria device Orchid Biomedical Systems	P. falciparum			■
31	ParaHIT Span Diagnostics	Pan malaria; P. falciparum			■
32	Parasight F test Becton Dickinson	P. falciparum			■
33	PET-PCR Agilent; University of Georgia; Centers for Disease Control and Prevention (CDC)	P. falciparum			■
34	Plasmodium falciparum microarray Cambio	P. falciparum			■
35	Quantitative Buffy Coat Test (Technique) Becton Dickinson				■
36	SD BIOLINE Malaria Ag Standard Diagnostics	Pan malaria; P. falciparum			■
37	SD BIOLINE Malaria Ag Pf Standard Diagnostics	P. falciparum			■
38	SD Bioline Malaria Ag Pf/Pan Standard Diagnostics	Pan malaria; P. falciparum			■
39	SD Bioline Malaria Ag Pf/Pv Standard Diagnostics	P. falciparum; P. vivax			■
40	STAT NAT Malaria Screening & Malaria Typing Sentinel Diagnostics	Pan malaria; P. falciparum			■
41	Truelab Real Time microPCR System Tulip Group; BigTec Laboratories; MolBio	P. falciparum			■
42	VIKA Malaria Ag Pf/Pan BioMerieux	Pan malaria; P. falciparum			■

Malaria Diagnostic Pipeline (3 of 4)

		Parasite(s) Detected	Preclinical	Clinical	Market
43	LAMP using dried blood spots Foundation for Innovative New Diagnostics (FIND); Eiken Chemical	Pan malaria; P. falciparum		■	
44	Magneto-optical technology (MOT) portable device University of Exeter	Pan malaria		■	
45	Nucleic acid lateral flow immunoassays (NALFIA) MALACTRES Consortium; London School of Hygiene and Tropical Medicine; Diagmal; Royal Tropical Institute (KIT); Q-bioanalytic; Global Innovation Network Oy; Forsite Diagnostics	Pan malaria; P. falciparum; P. vivax		■	
46	Parasight Malaria Solution Sight Diagnostics Ltd	Pan malaria		■	
47	Positive control wells Foundation for Innovative New Diagnostics (FIND)	Pan malaria		■	
48	Q-POC NanoMal Consortium; QuantuMDx; St. George's University	Pan malaria; P. falciparum; P. vivax; P. ovale; P. malariae; P. knowlesi;		■	
49	Rapid Assessment of Malaria (RAM) Disease Diagnostics Group, LLC	Pan malaria		■	
50	Urine Malaria Test (UMT) Fyodor Biotechnologies, Inc; Johns Hopkins University; Walter Reed Army Institute of Research (WRAIR); US Army Medical Research and Materiel Command; University of Lagos	Pan malaria		■	
51	2DPN (2-D paper network) University of Washington	P. falciparum	■		
52	ADCIA 2120 hematology system Siemens	Pan malaria	■		
53	Amplino Scout Amplino	Pan malaria	■		
54	Cell-phone based microscopy Boston University	Pan malaria	■		
55	Computer-assisted slide reading Hydas World Health	Pan malaria	■		
56	Dark-Field Cross Polarization (DFxP) Intellectual Ventures Lab	Pan malaria	■		
57	DIAMETER infection detection test PATH	P. falciparum	■		
58	Electric impedance microflow cytometry Massachusetts Institute of Technology; Carnegie Mellon University	P. falciparum	■		
59	Fluorescent RDT Access Bio, Inc	P. falciparum; P. vivax	■		
60	Foldscope Stanford University	Pan malaria	■		
61	G6PD deficiency diagnostic PATH; GlaxoSmithKline	P. vivax	61		

**Malaria
Diagnostic Pipeline (4 of 4)**

		Parasite(s) Detected	Preclinical	Clinical	Market
62	High-throughput LAMP kit for Malaria Foundation for Innovative New Diagnostics (FIND); Eiken Chemical; University College London; 42T; Porvair	Pan malaria; P. falciparum	■		
63	Immuno Chromatography Technology (ICT) Malaria Access Bio, Inc		■		
64	Improved rapid diagnostic tests Army Malaria Institute; World Health Organization (WHO); Foundation for Innovative New Diagnostics (FIND)	P. falciparum	■		
65	Improved rapid diagnostic tests AdAlta; Foundation for Innovative New Diagnostics (FIND); AbD Serotec; Chembio Diagnostic Systems, Inc; Royal Tropical Institute (KIT); Queensland Institute of Medical Research (QIMR); MorphoSys AG	Pan malaria	■		
66	Kelch13 blood test Mahidol-Oxford Tropical Medicine Research Unit	P. falciparum	■		
67	LUCAS Holomic LLC; University of California, Los Angeles	Pan malaria	■		
68	Malaria Pf/Pv Detect InBios	Pan malaria	■		
69	Microfluidic modeling University of Washington	P. falciparum	■		
70	CellScope CellScope; University of California, Berkeley	P. falciparum	■		
71	New mAbs for RDTs National Bioproducts Institute		■		
72	PanNAT malaria assay Micronics	Pan malaria	■		
73	Paper microfluidic cartridge with acridine orange staining Intellectual Ventures Lab; University of Washington	P. falciparum	■		
74	Ring-stage survival assay (RSA) Institut Pasteur du Cambodia; US National Institutes of Health (NIH)	P. falciparum	■		
75	Single nucleotide polymorphism (SNP) genotyping Broad Institute	P. vivax	■		
76	Spectraphone Quantaspec	P. falciparum; P. vivax	■		
77	SpectraWave and SpectraNet Claro Scientific; University of South Florida	Pan malaria; P. falciparum; P. vivax	■		
78	VCS Technology Beckman Coulter; University College Hospital	Pan malaria	■		